

17712 U.S. PTO
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The Commissioner of Patents
PO Box 1450
Alexandria, VA 22313-1450

ATTN: Mail Stop Patent Applications

Sir:

Transmitted herewith for filing is the patent application of: Neelesh B. Mehta, Pallav Sudarshan, Andreas F. Molisch, and Jinyun Zhang.

FOR: MULTIPLE ANTENNAS AT TRANSMITTERS AND RECEIVERS TO ACHIEVING HIGHER DIVERSITY AND DATA RATES IN MIMO SYSTEMS

Enclosed are:

- [12] pages of specification, claims and abstract
- [2] sheet of formal drawings
- [X] Declaration and Power of Attorney
- [X] Assignment of the application
- [X] Information Disclosure Statement

The filing fee is calculated as follows:

CLAIMS AS FILED					
NUMBER FILED		NUMBER EXTRA	LARGE ENTITY	AMOUNT	
<u>Basic Fee</u>					\$ 770.00
Total Claims	8	-20 =	1	x 18.00	\$ 0.00
<u>Independent</u>					
Claims	2	-3 =		\$80.00	\$.00
<u>Assignment</u>					
Recording Fee				40.00	\$ 40.00
<u>Multiple Dependent Claim</u>					
Fee				270.00	
<u>Other</u>					
TOTAL FEE					\$ 810.00

- [X] Please record the accompanying Assignment.
- [X] Please charge Deposit Account No. 50-0749 in the amount of \$ 810.00 for filing fees.
- [] Check in the amount of _____ for Filing Fee.
- [X] The Assistant Commissioner for Patents is hereby authorized to charge any additional fees due or credit any overpayment to Deposit Account No. 50-0749.

All future correspondence should be addressed to:

Patent Department
Mitsubishi Electric Research Laboratories, Inc.
201 Broadway
Cambridge, Massachusetts 02139

Duplicate copies of this letter are enclosed.

Respectfully submitted,
MITSUBISHI ELECTRIC RESEARCH LABORATORIES, INC.

By: _____

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